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ECA TCM

Eddy current testing with sensor arrays for large-area inspection

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Eddy current testing with sensor arrays. When the areas to be scanned are large, conventional eddy current inspection can be very time-consuming. Plus, there's the risk that manual probe guidance will leave some areas uninspected. The ECA module makes it possible to run both large-area and shape-matched array probes. This permits large areas to be scanned both quickly and comprehensively.

Array probes consist of several individual sensors arranged in a row inside a housing, for example. Connecting multiple sensors together in this way allows a larger area to be scanned at the resolution of each individual sensor.

YOUR ADVANTAGES AT A GLANCE

Large-area testing: with arrays of up to 512 probe elements in parallel

Easy handling: automatic detection of probes and setting of relevant hardware parameters

Localization of defects: spatially resolved eddy current data for positionally accurate defect detection

Enhanced visualization: C-scan data now available in 3D view for improved defect assessment and interpretation

100% documentation: eddy current images can be saved as PNG or PDF

NORMS

DIN EN ISO 15548: Standard defining performance characteristics and verification of eddy current testing instruments to ensure reliable and reproducible measurements.

ACCESSORIES

STANDARD TCM ARRAY PROBES
Versatile Eddy Current Array Probes for Efficient Surface Inspection

HIGH-RESOLUTION ARRAY PROBE
High-resolution Eddy Current Array probe for the precise detection and localization of the smallest surface defects

TCM STANDARD PROBES
Flexible probe solutions for precise eddy current inspection with the TCM

TCM POSITION ENCODER
Precise Position Tracking for Flexible Eddy Current Inspections

RECALIBRATION OF MOBILE PRODUCTS
Recalibration guarantees the accuracy and quality of your test and measurement values

REFERENCE CRACK STANDARD - FLAT (PLATE)
Artificial crack defect standard for setting and verifying test sensitivity

REFERENCE DEFECT STANDARDS - BOREHOLE
Reference defects for calibration of inspection systems using rotating probes

SIGMATEST PROBES
Flexible conductivity probes for precise testing of non-ferromagnetic metals

TCM DOCKING STATION
From mobile inspection device to full workstation setup

TCM SHOULDER STRAP
For comfortable hands-free operation of the TCM during mobile inspection tasks

TCM SPARE BATTERY
Extend the operating time of your TCM and stay productive even during long inspection workflows.

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